

ABSTRACT

Systems and methods are disclosed which provide wireless communication systems implementing subsystems adapted for flexible deployment configurations and to resist the introduction of interference. Preferred embodiments of the present invention provide a wireless communication system configuration in which an ODU subsystem is coupled to an IDU subsystem using a fiber optic link. According to a preferred embodiment of the present invention, an ODU subsystem is adapted to provide conversion between digital and analog to thereby facilitate the use of a digital link between the ODU subsystem and a corresponding IDU subsystem. Embodiments of the present invention utilize a plurality of ODU subsystems configured according to the present invention to provide wireless communication coverage of a service area, such as to provide a wireless application termination system (WATS) hub for use in providing wireless communication links with respect to a plurality of subscriber units.